

STATE OF CALIFORNIA CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD
Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
- 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section 1: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Kingsburg		County Fresno	
Authorized Signature 		Title Finance Director	
Type/Print Name of Person Signing Don Jensen	Date 3/1/02	Phone () include Area Code 559-897-5821	
Person Completing This Form (please print or type) Ruth Abbe		Title Senior Associate, Brown, Vence & Assoc.	
Affiliation:	Consultant to the City		
Mailing Address	City	State	ZIP Code
1401 Draper Street	Kingsburg	CA	93631
E-mail address diensen@psnw.com			

Section II: Information for New Generation-Based Study for Existing or New Base Year	
Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).	
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>	
1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	1999
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	

The City has undertaken the preparation of a new waste generation study in order to more fully and accurately access the City's diversion rate. 1999 is the most recent year in which both disposal and diversion data was available.

4. Enter your diversion rates below.			
Diversion rate calculated using existing base year	a. 10 %	Diversion rate calculated using new generation-based study	b. 49 %
For existing base year pounds/person/day based on generation	5.44	For new generation based study pounds/person/day based on generation	9.58
Residential generation 44 %	Non-Residential Generation 56 %	Residential generation 30% %	Non-Residential generation 70% %
Population existing generation-based study	9175	Population new generation-based study	9175
5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.			
According to the its most recent PARIS report, the City has implemented 30 diversion programs since 1990. These efforts, and those of the private sector, are not appropriately reflected in the City's current diversion rate. The 1999 Waste Generation Study identified previously undocumented diversion through business surveys of the City's commercial businesses and city in-house diversion. The increase in the pounds per person per day is a result of the increase in the diversion activities since 1990.			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)			
The City has implemented a significant number of diversion programs since 1990 and the 1999 Waste Generation Study has identified previously undocumented diversion by the City's private sector.			

7. Disposal Tonnage: (enter values)		1306 Residential	6881 Non-Residential	8187 Total
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Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmb.ca.gov/igcentral/forms/rytmdrj.doc>)

c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmb.ca.gov/igcentral/forms/rytmdrj.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, (agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal) please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operator w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Residential Activities					
Source Reduction					
Backyard composting		0.0%			
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
Garage sales	139	0.9%		misc. reusable items	
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	139	0.9%			
Recycling					
Curbside Recycling	660	4.1%		newspaper, cardboard, glass, aluminum, plastic, paper	
Buyback centers	118	0.7%		CRV redemption material	
Drop-off centers					

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material types (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at http://www.ciwrmb.ca.gov/ipcentral/patis/codes/Reduce.htm					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	778	4.8%			
Composting					
Green waste drop-off					
Curbside green waste	2600	16.2%	green waste		
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	2600	16.2%			
Subtotal Residential Diversion	3517	21.9%			
Non-Residential Activities					
Source Reduction					
Non-Residential Waste Audits	12	0.1%			See Section 9
Other non-Residential source reduction (list each program separately)					
Grasscycling	227	1.4%	grass	7.84 tons/acre/year	
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	239	1.5%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.cwrmb.ca.gov/central/parts/codes/Reduce.htm					
Recycling	(A)	(A) Total Generation			
Non-Residential Waste Audits*	3482	21.7%		See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
School recycling	0	0.0%	scrap metal		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	3482	21.7%			
Composting					
Non-Residential Waste Audits*				See Section 9	See Section 9
Other non-Residential composting (list each program separately)					
City in-house	615	3.8%	green waste		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	615	3.8%			
Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities	4337	27.0%			
ADC					
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	0	0.0%			
Total Res/Non-Res Source Reduction Tons	376	2.4%			
Total Diversion Tons	7854	49.0%			
Total Disposal Tons from Sec.7	8187	51.0%			
Total Generation Tons (Div+Dis)	16041				
Diversion Rate	49%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets. **(Form will perform all addition calculations).**

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities (e.g. paper recycling, grasscycling) (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation In Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
Food Processor	RA01	food waste diversion, cardboard, film plastic and metal recycling		2999		2998.795	18.7%	P
Retail	RA02	Cardboard recycling, hanger and pallet reuse	0	146		145.828	0.9%	P
Grocery	RA03	Cardboard recycling, tallow recycling and pallet reuse		178		178.275	1.1%	P
Drug Store	RA04	Cardboard recycling, reusable totes	3	42		44.2	0.3%	P
Drug Store	RA05	Cardboard recycling, reusable totes	9	2		11.076	0.1%	P
Cotton Gin	RA06	Cotton seed recycling						P
Cemetery	RA07	Grass and flowers mulched		20		19.9	0.1%	P
Grocery	RA08	Cardboard and produce recycling		96		96.238	0.6%	P
Totals			12.188	3482.124		3494.312	21.8%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

RA01 Food processor - Phone survey of commercial business. All tons reported as actual weights. Business diverts peach waste for cattle feed (recycling) and for reuse applications (source reduction). Peach pits sent for cogeneration (not counted for this 1999 study). Business also recycles cardboard, film plastic, and steel and aluminum cans. Tonnage for 1999 included in study. Three year average provided.

RA02 Retail - Phone survey of commercial business. Cardboard recycling of bales (800 lbs. each), pallet reuse counted once and divided by four uses per pallet (40 lbs. each) [tonnage removed], hanger reuse counted once (0.125 lbs. each)

RA03 Grocery Store - Phone survey of commercial business. Cardboard recycling of bales (800 lbs. each), pallet reuse counted once and divided by four uses per pallet (40 lbs. each) [tonnage removed], tallow recycling at 33 gallons per month (7.45 lbs. per gallon)

RA04 Drug Store - Phone survey of commercial business. Cardboard recycling of bales (800 lbs. each), reusable totes replaced cardboard boxes that used to be recycled each use counted (5 lbs. each)

recycled, each use counted (5 lbs. each)

RA05 Drug Store - Phone survey of commercial business. Cardboard recycling of boxes (2.2 lbs. each), reusable totes replaced cardboard boxes that used to be recycled, each use counted (5 lbs. each)

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Scrap Metal ▼	Scrap metal program at Kingsburg High School	after 1990	0
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of preciously submitted information. _____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Table 1 Documented Diversion by Generator

City of Kingsburg 1999

Ref. No.	Source	Category	Type of business	Matt. Type	Qty.	Unit	Freq.	Tons /Period	Tons/Yr	Conversion Factor	Method
Business Generators											
RA01		Commercial	Food Processor	Peach pits	3,565.00	tons	year	3,565.00	0.00	Actual weight	Co-generation
				Peach waste	4,631.00	tons	year	2,964.00	2,964.00	Actual weight	Recycle
				Peach slurry	6,097.00	tons	year	0.00	0.00	Actual weight	Source reduction
				Cardboard	2,018.00	lbs	year	1.01	1.01	Actual weight	Recycle
				Plastic - stretch wrap	17,000.00	lbs	year	8.50	8.50	Actual weight	Recycle
				Steel and aluminum cans	50,572.00	lbs	year	25.29	25.29	Actual weight	Recycle
RA02		Commercial	Retail	Cardboard	145.60	tons	year	145.60	145.60	800 lb./bale	Recycle
				Pallet reuse	16.9	tons	year	16.90	0.00	40 lb. Each / 4 uses	Source reduction
				Hanger reuse	0.228	tons	year	0.23	0.23	0.125 lb. Each	Source reduction
RA03		Commercial	Grocery	Cardboard	176.8	tons	year	176.80	176.80	800 lb./bale	Recycle
				Pallet reuse	3.9	tons	year	3.90	0.00	40 lb. Each / 4 uses	Source reduction
				Tallow	1.475	tons	year	1.48	1.48	7.45 lb./gallon	Recycle
RA04		Commercial	Drug Store	Cardboard	41.6	tons	year	41.60	41.60	800 lb./bale	Recycle
				Totes	2.6	tons	year	2.60	2.60	5 lb. Each	Source reduction
RA05		Commercial	Drug Store	Cardboard	1,716	tons	year	1,72	1,72	2.2 lb. Each	Recycle
				Totes	9.36	tons	year	9.36	9.36	5 lb. Each	Source reduction
RA06		Commercial	Cotton Gin	Cotton seeds	7,000.00	tons	year	7,000.00	0.00	Verbal estimate	Recycle
RA07		Commercial	Genetary	Grass and flowers	19.90	tons	year	19.90	19.90	280 lb./cubic yard	Recycle
RA08		Commercial	Grocery	Cardboard	83.20	tons	year	83.20	83.20	800 lb./bale	Recycle
				Produce waste	13.04	tons	year	13.04	13.04	1,443 lb./cubic yard	Recycle
						tons	year	0.00	0.00		
Total tonnage for Business Generators										3,494.31	

City In-house Diversion											
KB01	City street sweeping	Commercial	City	green waste	400.00	tons	year	400.00	400.00	Actual weight	Compost
KB02	City prunings (oleander)	Commercial	City	green waste	108.60	tons	year	108.60	108.60	Actual weight	Compost
KB03	City prunings (palms)	Commercial	City	green waste	9.00	tons	year	9.00	9.00	Actual weight	Compost
KB04	City street trees	Commercial	City	green waste	97.50	tons	year	97.50	97.50	Actual weight	Compost
KB05	City parks	Commercial	City	grasscycling	122.24	tons	year	122.24	122.24	7.64 tons/acre/year	Source reduction
						tons	year	0.00	0.00		
						tons	year	0.00	0.00		
						tons	year	0.00	0.00		
Total tonnage for City In-house										737.34	

Residential Diversion											
KB06	Curbside recycling	Residential	City	Newspaper	305.40	tons	year	305.40	305.40	Actual weight	Recycle
				Cardboard	190.92	tons	year	190.92	190.92	Actual weight	Recycle
				Scrap glass commingled	65.05	tons	year	65.05	65.05	Actual weight	Recycle
				CRV aluminum	1.83	tons	year	1.83	1.83	Actual weight	Recycle
				CRV PET	11.22	tons	year	11.22	11.22	Actual weight	Recycle
				HDPPE color	7.17	tons	year	7.17	7.17	Actual weight	Recycle

Table 1 Documented Diversion by Generator

Ref. No.	Source	Category	Type of business	Matl. Type	Qty.	Unit	Freq.	Tons./Period	Tons/Yr	Conversion Factor	Method
				HDPE natural	10.16	tons	year	10.16	10.16	Actual weight	Recycle
				Tin	20.14	tons	year	20.14	20.14	Actual weight	Recycle
				Magazines	47.66	tons	year	47.66	47.66	Actual weight	Recycle
				Scrap aluminum	0.23	tons	year	0.23	0.23	Actual weight	Recycle
				Greenwaste	2,600.15	tons	year	2,600.15	2,600.15	Actual weight	Compost
CP0624	Department of Conserv	Residential	Recycler	Aluminum	281.60	lbs	year	0.14	0.14	Actual weight	Recycle
				Glass	12,133.30	lbs	year	6.07	6.07	Actual weight	Recycle
				Plastic	136.40	lbs	year	0.07	0.07	Actual weight	Recycle
RC4227	Department of Conserv	Residential	Buyback	Aluminum	103,678.50	lbs	year	51.84	51.84	Actual weight	Recycle
				Glass	90,341.00	lbs	year	45.17	45.17	Actual weight	Recycle
				Plastic	15,589.90	lbs	year	7.79	7.79	Actual weight	Recycle
RC9603	Department of Conserv	Residential	Buyback	Aluminum	7,400.00	lbs	year	3.70	3.70	Actual weight	Recycle
				Glass	5,382.00	lbs	year	2.69	2.69	Actual weight	Recycle
				Plastic	1,148.00	lbs	year	0.57	0.57	Actual weight	Recycle
KB07	Garage sales	Residential	City	commingled	138.60	tons	year	138.60	138.60	0.35 tons/sale	Source reduction
3,516.58											

Total tonnage for Residential Diversion

School Diversion

RA09	Kingsburg High School	Commercial	School	Post-90 metals	500.00	lbs	year	0.25	0.25	Verbal estimate	Recycle
				Grasscycling/mulch	116.88	tons	year	116.88	105.05	7.64 tons/acre/year	Source reduction
RA10	Kingsburg Elementary	Commercial	School			tons	year	0.00	0.00		
						tons	year	0.00	0.00		
105.30											

Total tonnage for schools

Total Diversion										
Total Disposal										
Total Generation										
Diversion Rate										
Population										
Tons generated per capita										
Pounds per person per day										
	7,853.53									
	8,187.07									
	16,040.60									
	49%									
	9,175									
	1.75									
	9.58									